

APPENDIX F

USEPA ICR



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NC 27711

APR - 4 2016

OFFICE OF
AIR QUALITY PLANNING
AND STANDARDS

Katie Kistler
AK Steel Corporation
9227 Centre Pointe Dr.
West Chester, OH 45069

Dear Ms. Kistler:

We, at the U.S. Environmental Protection Agency (EPA), are collecting information on emissions of hazardous air pollutants (HAP), particulate matter (PM), carbon monoxide (CO), carbon dioxide (CO₂), hydrogen sulfide (H₂S), sulfur dioxide (SO₂), opacity, surrogate HAP species such as benzene soluble organics (BSO) and polycyclic aromatic hydrocarbons (PAH), and other emissions and related information from coke manufacturing facilities, pursuant to our authority under section 114 of the Clean Air Act (CAA) (42 U.S.C. 7414). We also are requesting information on latitude and longitude and other physical parameters of the emission points, which will be used for modeling emissions in the risk assessment. The information gathered will be used by the EPA to perform a residual risk and technology review under section 112(f)(2) and 112(d)(6) of the CAA of the Maximum Achievable Control Technology (MACT) standards under the National Air Emission Standards for Hazardous Air Pollutants (NESHAP) for Coke Ovens: Pushing, Quenching, and Battery Stacks (subpart CCCCC); and technology review for NESHAP for Coke Oven Batteries (subpart L). Note that EPA reserves all of its enforcement rights under CAA section 113, including the right to bring a claim to the U.S. District Court to enforce the CAA section 114 obligation to comply with this request.

We are requesting you to provide the information described in this letter and in the information request in **Enclosure 1** for all coke manufacturing facilities in your company, specifically the **A.K. Steel Middletown** coke facility located in Middletown, OH. If a facility is a part of another company or is separately incorporated as a subsidiary or affiliate of your company, do not complete any of these enclosures for that facility. Note that units that have not been operated in 2015 need not be started for this test request.

We also are requiring that your **Middletown** coke facility located in Middletown, OH, perform all of the testing and associated documentation described in **Enclosure 2**. This second enclosure describes the emission test methods approved to determine the emissions and other measurements requested in this letter; the procedures to be followed during testing; and the procedures for submitting the test results and other requested information.

Enclosures 3 through 8 provide additional information to help you complete the first two enclosures. All the enclosures are described below and include where and when to send the information requested.

Enclosures 1 and 2

The two parts of this information request are a **Questionnaire (Enclosure 1)** and a request for source testing (**Enclosure 2**). The **Questionnaire** requests general facility information, physical and operating parameters of your coke manufacturing and auxiliary equipment, and other related information on facility operations. You are required to complete the **Questionnaire** for all your facilities whether or not you are asked to perform testing at this time. You may respond "not applicable" to any question that does not apply to your facility. We have provided a blank spreadsheet data file for you to submit your responses to the **Questionnaire** via email. Please submit a separate spreadsheet data file in electronic format for each of your facilities, according to the schedule listed below to the appropriate person at EPA's Office of Air Quality Planning and Standards, at the addresses also listed on **pages 5 and 6**. Alternatively, you may upload nonconfidential files to the **Coke ICR Website**, described on **pages 4 and 5**.

The schedule for submitting your responses to the **Questionnaire (Enclosure 1)** incorporates a staggered submission of four sections of the **Questionnaire (Groups 1 through 4)**. The submission schedule also includes dates to submit current air permits for your facilities and any previous test reports that could be pertinent to this information collection. You may add responses to subsequent **Questionnaire** submittal sections using a copy of your previously submitted data files as a starting point; however, if you need to change any of the information already submitted, you need to indicate the revised information by using red font **and** by noting the changes by section number in your cover letter or email. The **Questionnaire** data files, permits, and reports may be sent by electronic mail (e-mail) to Dr. Donna Lee Jones of the EPA's Office of Air Quality Planning and Standards if the e-mail contains data files that are nonconfidential and all files in one email total less than 1 megabyte (MB). Larger data files should be sent on compact disc (CD) via mail, courier, or uploaded to the **Coke ICR Website**.

Please submit the nonconfidential **Questionnaire** response data files, your permits, and any test reports to Dr. Jones or upload to the **Coke ICR Website**. For confidential information, please send only the confidential information on the data files to Ms. Tiffany Purifoy of the EPA's Office of Air Quality Planning and Standards. If only a portion of your responses or a portion of the questions pertains to confidential information, please do not claim the entire response confidential and do not submit both the nonconfidential and confidential information together in your confidential data file submission.

Enclosure 2 contains details of the requirements of this request to conduct source testing for HAP, PM, CO, CO₂, H₂S, BSO, PAH, SO₂, and other emissions; surrogate parameters; and visible leaks and opacity at your coke manufacturing company. These test results are due to EPA according to the schedule on **page 4**. In addition, your company must submit to EPA the testing schedule to meet the due dates of this request for all your facilities performing testing. The time interval between your receipt of this letter and when the tests need to be performed should be used to obtain bids for testing, submit any test plans required, construct temporary scaffolding, create new test ports and any other items needed for performing this test request. Dr. Jones also can answer any questions about the testing procedures during this time period. Because adequate time has been allowed for the planning, preparation and scheduling for the required tests, it is unlikely that time extensions will be given for submission of the test reports.

If emission testing for some of these pollutants and parameters have been recently completed, we are not requesting additional emission testing but only the submittal of the test reports representative of your current operations. You may only submit previous test reports to comply with this request if your previous tests meet the following criteria: (1) reflects current (2016) operation under the requirements of

the MACT standards in part 63, subparts CCCCC or L, as appropriate; and (2) were performed in 2015 using the EPA methods or approved alternates shown in **Enclosure 2**. To be eligible for an exemption from source testing for some or all of the pollutants, please submit your previous test reports, with run-by-run data, as appropriate, to Dr. Jones according to the schedule on **page 4**. We will make every effort to quickly determine whether your previous data are acceptable in lieu of new testing. If your facility has units that are required to be tested according to this request but are ducted such that you believe the gas flow and emissions cannot be isolated from other units, you should submit detailed information about these units, including photographs showing the perspectives of the units, as available, to Dr. Jones according to the schedule on **page 4**. Additional information may be requested in order for us to determine the best course of action; therefore, we encourage you to submit this information as soon as possible. Detailed instructions on how and where to submit the test data to the EPA are provided in Sections 2.0 and 3.0 of **Enclosure 2**.

If you have questions regarding the need for this information request or need clarification on the information requested, please contact Dr. Jones. Questions relating to how you should gather the data we are requesting, such as sampling locations, sampling intervals, etc., also should be addressed to Dr. Jones. We expect that such interpretative questions will arise, and the EPA will work with you to answer your questions. If any contract staff are employed by your company to fulfill this information request, it is the responsibility of your facility to advise the contractors of all of the requirements, reporting procedures, and contact information and procedures provided here and any updates as posted to the Coke ICR Website and sent by email to the primary ICR contact at your facility. Failure to inform your contractors of the correct procedures may result in unnecessary delays.

Enclosures 3 through 8

Enclosure 3 contains a summary of the EPA's authority for information gathering (42 U.S.C. 7414). If you believe that a disclosure of any specific information that you submit would reveal a trade secret, clearly identify such information. Please do not label an entire response "Confidential" if only certain portions consist of trade secret information. **Enclosure 3** also contains the information which the EPA may request, at a later time, to support your confidentiality claims. Any material determined to constitute a trade secret will be protected under 18 U.S.C. 1905. If no claim of confidentiality accompanies the information when it is received by the EPA, it may be made available to the public by the EPA without further notice (40 CFR 2.203). Because Section 114 of the CAA excludes emission data from claims of confidentiality, the emission data you provide may be made available to the public (and is excluded from protection as confidential business information). A clarification of what the EPA considers to be emission data is contained in **Enclosure 4**.

The EPA has contracted with Research Triangle Institute (RTI) (Contract No. EP-D-11-084) to obtain information pertinent to this industry. Thus, as discussed in **Enclosure 5**, RTI has been designated by the EPA as an authorized representative. Therefore, RTI has the rights discussed above and in **Enclosure 3**. Accordingly, RTI will have access to all information provided to the EPA in response to this request. As a designated representative of the EPA, RTI is subject to the provisions of 42 U.S.C. 7414(c) respecting confidentiality of methods or processes entitled to protection as trade secrets.

Enclosure 6 summarizes the EPA's policies and procedures for handling privileged information and describes the EPA contractor commitments and procedures for use of confidential materials. It is the EPA's policy that compliance by an authorized representative with the requirements detailed in **Enclosure 6** provides sufficient information for the rights of submitters of privileged information.

The EPA believes that it is highly advisable for each facility to prepare a site-specific test plan prior to emissions testing. A site-specific test plan addresses the planning and quality assurance quality control procedures and acceptance criteria for all of the testing, including the collection of process data.

Enclosure 7 provides guidance for developing a site-specific test plan. Please note that there is **NOT** a requirement to submit a test plan to EPA for approval prior to testing unless it is specifically requested in **Enclosure 2** or the emissions data are to be reported using the EPA Electronic Reporting Tool (ERT) Version 3. For the test methods in **Enclosure 2** that are to be reported via the ERT, a test plan will be required to be entered into the ERT program prior to submitting the test results. **Enclosure 8** provides an example of the EPA ERT Version 3 test plan.

Schedule

The following is the schedule for submitting the information requested as described in this letter. Dates are in relation to the stamped date on this letter.

Item^a	Submit by Date^b
Submit e-copy of most recent air permit	3 weeks
Submit detailed explanation of testing problems	5 weeks
Submit names of Quench Tower testing facilities and tests to be done	9 weeks
Submit any previous test reports applicable to tests	9 weeks
Submit schedule(s) for testing	12 weeks
Submit Enclosure 1 responses-Group 1 (Sections I, II, III)	17 weeks
Notify your state of upcoming tests (copy Dr. Jones)	21 days before testing
Submit Enclosure 1 responses-Group 2 (Sections IV, V)	23 weeks
Submit Enclosure 1 responses-Group 3 (Sections VI, VII)	29 weeks
Submit Enclosure 1 responses-Group 4 (Sections VIII, IX, X)	37 weeks
Submit test reports & data spreadsheets (Enclosure 2)	40 weeks

^a All submissions should be done on electronic media (file, CD, DVD, or flash drive/USB) by: (1) email if a small file (< 1 megabyte) and nonconfidential; or (2) mail of CD/DVDs or flash drive/USB via private courier or U.S. post office to Dr. Donna Lee Jones or Ms. Tiffany Purifoy, both at the U.S. EPA Office of Air Quality Planning and Standards in RTP, NC., at the addresses listed below; or (3) uploading nonconfidential files to the **Coke ICR Website** maintained by RTI (with a unique password available for each facility). See also below detailed mailing instructions, specifically regarding instructions for submitting confidential business information as well as information for uploading nonconfidential information onto the **Coke ICR Website** located at <https://icr2010.rti.org/>.

^b From stamped date of EPA letter.

If your facility has units that are required to be tested according to this enclosure but you are unable to respond to an item exactly as requested, please explain why you cannot respond and/or provide any information you believe may be related and submit this to **Dr. Donna Lee Jones** at Jones.Donnal.lee@epa.gov within **5 weeks** of the postmark date of this letter. For example, if you have a unique type of process unit and the questions in the section related to that process unit are not relevant to your specific unit, please provide information that would help EPA classify your process unit and account for its existence and operation in potential future rulemaking. Should you have any unexpected problems with these deadlines, please also contact Dr. Jones at Jones.Donnal.lee@epa.gov as soon as you are aware of a potential delay.

Where to Send Your Information

After you have completed and entered your **Questionnaire (Enclosure 1)** responses for each group of questions into the provided data files, using separate data files for confidential business information components, return the completed **Questionnaire** response data files on CDs, DVD, or flash drive/USB to either Dr. Jones (with your nonconfidential information) or Ms. Tiffany Purifoy (with your confidential information), as described below and according to the schedule above. Completed test reports, any required test plans for non-ERT methods and permits can be sent to Dr. Jones by e-mail (if small, less than 1 MB), U.S. mail or commercial package carriers, to the addresses below, or uploaded to the **Coke ICR Website** at <https://icr2010.rti.org/>. Users of the **Coke ICR Website** page will need to register and create a user name and password to allow future uploading of documents for your specific company/facility. Once a company representative registers, they will only have access to upload and view documents for their own company/facility.

Please note that while you are encouraged to send **nonconfidential** information electronically by e-mail to Dr. Jones at Jones.Donnal.lee@epa.gov, you may NOT send any **confidential business information** via e-mail to either Dr. Jones or Ms. Purifoy doing so may jeopardize the confidentiality of your information. For your **nonconfidential** information, please return the requested data files to Dr. Jones according to the schedule in the paragraphs above, at the following addresses.

If using U.S. postal service mail, use the address below:

Dr. Donna Lee Jones (Mail Code D243-02) **NONCONFIDENTIAL**
Metals and Inorganic Chemicals Group
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711

Please use the street address below for **nonconfidential** commercial package carriers, such as FedEx and UPS:

Dr. Donna Lee Jones (Mail Code D243-02) **NONCONFIDENTIAL**
Metals and Inorganic Chemicals Group
109 T.W. Alexander Drive
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Durham, NC 27709

Or:

Upload all your nonconfidential files onto the *Coke ICR Website* at <https://icr2010.rti.org/>.

The EPA recommends for mailed submissions to send your data files via Registered U.S. Mail using either a return receipt request, Federal Express, or other method for which someone must provide a signature upon receipt. If sending nonconfidential data files by e-mail, a receipt confirmation is available in some e-mail systems. Regardless, sending a separate and concurrent e-mail without any data files is advisable to inform Dr. Jones of your submission by e-mail, especially in the case where data files may be larger than average and thus may be undeliverable or truncated without your attachments.

For your **confidential** information, as described in **Enclosures 4 and 6**, please send a separate CD or DVD containing only the confidential portion of your **Questionnaire** data file responses or other confidential business information to Ms. Tiffany Purifoy of the EPA at the address below. Clearly mark the CD/DVD, flash drive/USB and/or printed materials with the words “**Confidential Business Information**” and send either via U.S. Postal Service Express Mail, registered mail, or private courier to:

Ms. Tiffany Purifoy, Government Information Specialist (C404-02)
ATTN: Coke Oven Manufacturing (Project #324)
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711

Please use the street address below for commercial package carriers, such as FedEx and UPS for submitting your **Confidential Business Information**:

Ms. Tiffany Purifoy, Government Information Specialist (C404-02)
ATTN: Project Coke Oven Manufacturing (Project #324)
109 T.W. Alexander Drive
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Durham, NC 27709

The EPA recommends for mailed submissions to send your data files via Registered U.S. Mail using either a return receipt request, Federal Express, or other method for which someone must provide a signature upon receipt. **DO NOT SEND CONFIDENTIAL BUSINESS INFORMATION BY E-MAIL OR FAX.** These are not secure forms of communication and should never be used when transmitting confidential business information.

If you have questions regarding this request, please contact Dr. Donna Lee Jones, at Jones.DonnaLee@epa.gov. I am sure you understand how vital it is for the EPA to use the very best information available to develop the most meaningful standards. Your help in providing this information is greatly appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "P. Tsirigotis", with a large, stylized initial "P" and a long horizontal stroke extending to the right.

Peter Tsirigotis
Director

Sectors Policies and Programs Division

8 Enclosures

- Enclosure 1: Facility Questionnaire for Coke Manufacturing (blank data file sent separately by e-mail)
- Enclosure 2: Source Testing Request for Coke Manufacturing Facilities: Procedures, Methods, and Reporting Requirements (blank data file sent separately by e-mail)
- Enclosure 3: EPA's Authority to Gather Information (Section 114 of the CAA)
- Enclosure 4: A Clarification of What EPA Considers Emissions Data
- Enclosure 5: Summary of Contractor's Authority as Representative of EPA
- Enclosure 6: Procedures for Safeguarding Confidential Business Information under the CAA
- Enclosure 7: Site-specific Test Plan Development Guidance
- Enclosure 8: Example EPA ERT Version 3 Test Plan

cc: Mr. James Kemp, Environmental Affairs Manager, AK Steel Corporation-Middletown
Mr. Bob Hodanbosi, OH EPA – DAPC (without enclosures)
Mr. George Czerniak, U.S. EPA, Region V (without enclosures)